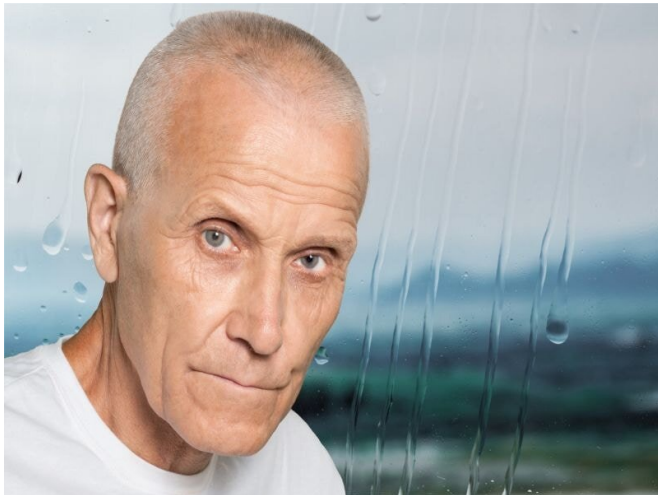


# Nitrite consumption may up risk for non-Hodgkin lymphoma

30 January 2020



that nitrite [consumption](#) was associated with carcinogenicity leading to NHL (OR, 1.44; 95 percent CI, 1.17 to 1.77) and with development of diffuse large B-cell lymphoma (OR, 1.55; 95 percent confidence interval, 1.07 to 2.26); associations were not seen for other subtypes. A higher risk for NHL was found for women (OR, 1.50; 95 percent CI, 1.15 to 1.95) and high levels of nitrite intake (OR, 1.64; 95 percent CI, 1.28 to 2.09).

"In the future, to acknowledge our conclusions and to ensure precautions against NHL, additional and more stringent systematic studies are required," the authors write.

**More information:** [Abstract/Full Text](#)

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(HealthDay)—Nitrite consumption is associated with an increased risk for non-Hodgkin lymphoma (NHL), according to a meta-analysis published online Jan. 17 in *Scientific Reports*.

Mengxia Yu, from Zhejiang University in Hangzhou, China, and colleagues examined the association between [nitrite](#) or nitrate consumption and risk for NHL in a meta-analysis. Studies presenting risk estimates across categories of exposure were included in a dose-response analysis.

The researchers found that nitrite consumption was associated with a significantly [increased risk](#) for NHL (odds ratio [OR], 1.37; 95 percent confidence interval [CI], 1.14 to 1.65), while nitrate was not (OR, 1.02; 95 percent CI, 0.94 to 1.10). No evidence of significant publication bias was seen. In a dose-response analysis, the risk for NHL increased for each additional microgram of nitrite consumed per day (OR, 1.26; 95 percent CI, 1.09 to 1.42). Data from high-quality studies indicated

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